

**Geometrically Connected Components of Moduli Spaces
of p -divisible Groups in Hodge-Newton-Decomposable Case**

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Abstract

The moduli spaces of p -divisible groups are introduced by Rapoport and Zink. They are formal schemes over the ring of integers of some non-archimedean field. Their generic fiber is a rigid analytic space over which there exists a tower of finite étale coverings classifying level structures. In the Hodge-Newton-irreducible case, the set of geometrically connected components of this tower has already been studied. In this talk, we will discuss the set of geometrically connected components of this tower in the Hodge-Newton-decomposable case.